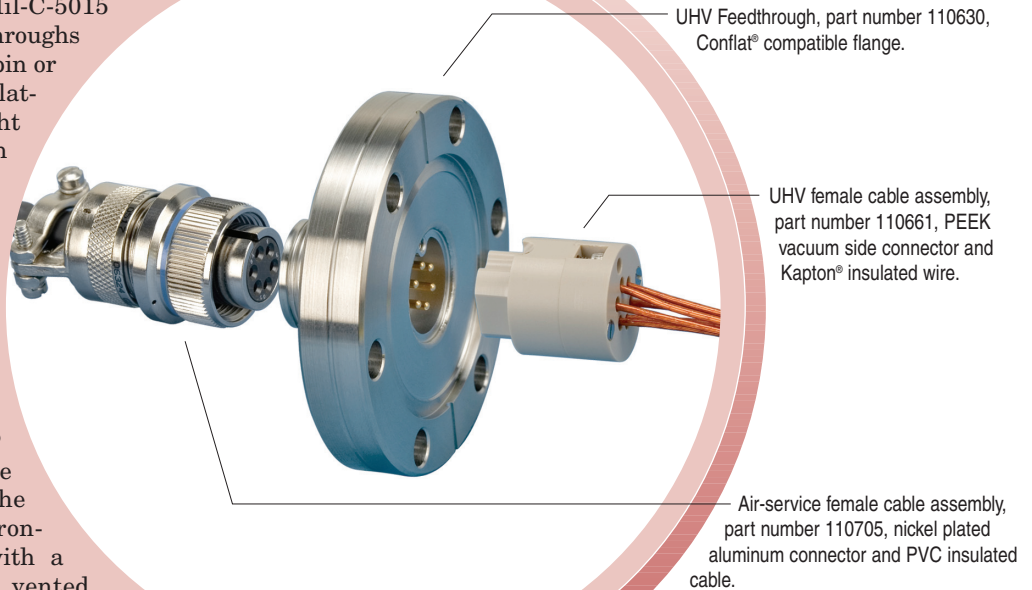


Circular hermetic power feedthroughs are designed to meet Mil-C-5015 specifications. These feedthroughs are available in either a 3-pin or 6-pin configuration. Gold plated pins are in a straight through pin-to-pin design and are hermetically sealed and electrically insulated in a stainless steel shell using the latest in glass-ceramic bonding technology.

Ultrahigh vacuum cable assemblies with PEEK connectors and Kapton® insulated 18AWG cables are available to meet the demands of UHV environments. They are fitted with a captured stainless steel vented screw that provides a means of securely locking them to their mating feedthrough. Air-service cable assemblies use standard Mil-C-5015 connectors. Custom air-service cable assemblies are available on request.

Mil-C-5015 feedthroughs are sold individually or as kits, where each kit contains one feedthrough and one each of both vacuum and air side cable assemblies.

Typical Installation



Note: Connectors and cables are not included with feedthrough and must be purchased separately.

Features

- Mil-C-5015 configuration
- 3-pin and 6-pin configurations
- High temperature rated to 250°C
- Conflat® compatible flange mounts
- ISO KF compatible flange mounts
- Kapton® insulated vacuum cables and PEEK connector with locking screw
- Air-service cables
- Custom versions available on request

Specifications Notes

- 1 Electrical ratings are maximum test values. Feedthroughs are intended for instrumentation applications carrying low level signal voltages and currents.
- 2 PEEK is a polyetheretherketone thermoplastic.
- 3 Overall assembly ratings must be adjusted to that of the lowest rated component.
All dimensions are in inches unless specified otherwise.

Specifications

Voltage ¹	700VDC maximum
Current	10A maximum at 20°C
Material	
Shell	SST
Pins	Ni-Fe alloy, Au-plt
Seal and Insulation	Glass-Ceramic
Connector, Air	Ni-plt Al
Connector, Vacuum ²	PEEK

Vacuum Range

UHV, Ultrahigh vacuum	1x10 ⁻¹⁰ Torr
HV, High vacuum	1x10 ⁻⁸ Torr

Temperature Range³

Feedthrough	250°C
Flange, CF Style	450°C
Flange, ISO Style	150°C
Connector, Air	175°C
Connector, Vacuum	250°C
Thermal gradient	25°C / minute maximum